

ABSTRACT OF THE DISCLOSURE

A method of fabricating an optical fiber preform is disclosed which includes a step of outside deposition of silica possibly doped with at least one dopant by
5 injecting at least one substance in the form of silica or a precursor of silica in the vicinity of a heating area created by a heating system during at least one pass of an injector system and the heating system along a longitudinal axis of the preform during which the relative positions of the injector and heating systems are adjusted so that silica is deposited in the heated area regardless of the position of the heating
10 system.